

# Lanka Education and Research Network

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## eduroam Deployment Status

Sri Lanka

26<sup>th</sup> March 2018

*IAM Working Group and Task Force Meeting APAN 45 - Singapore*

Thilina Pathirana / LEARN

# Sri Lanka and eduroam

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- First experienced at the APAN34 in Colombo 2012  
(Direct proxying with ETLR servers)
  - After that nothing at all...
  - Joined XEAP phase 1
  - LEARN recognized as NRO (proxying through APAN TLS) in mid 2015
  - Two NRO servers serving dual stack.
  - First IRS tested and deployed in University of Kelaniya in Sept. 2015
  - LEARN maintains the informational site [eduroam.ac.lk](http://eduroam.ac.lk)
  - Participated in the eduroam training Workshop at APAN41 in Manila
  - Hosted a workshop for LEARN members locally promoting eduroam
  - As of today 9 LEARN members including some big state universities are a part of the federation.
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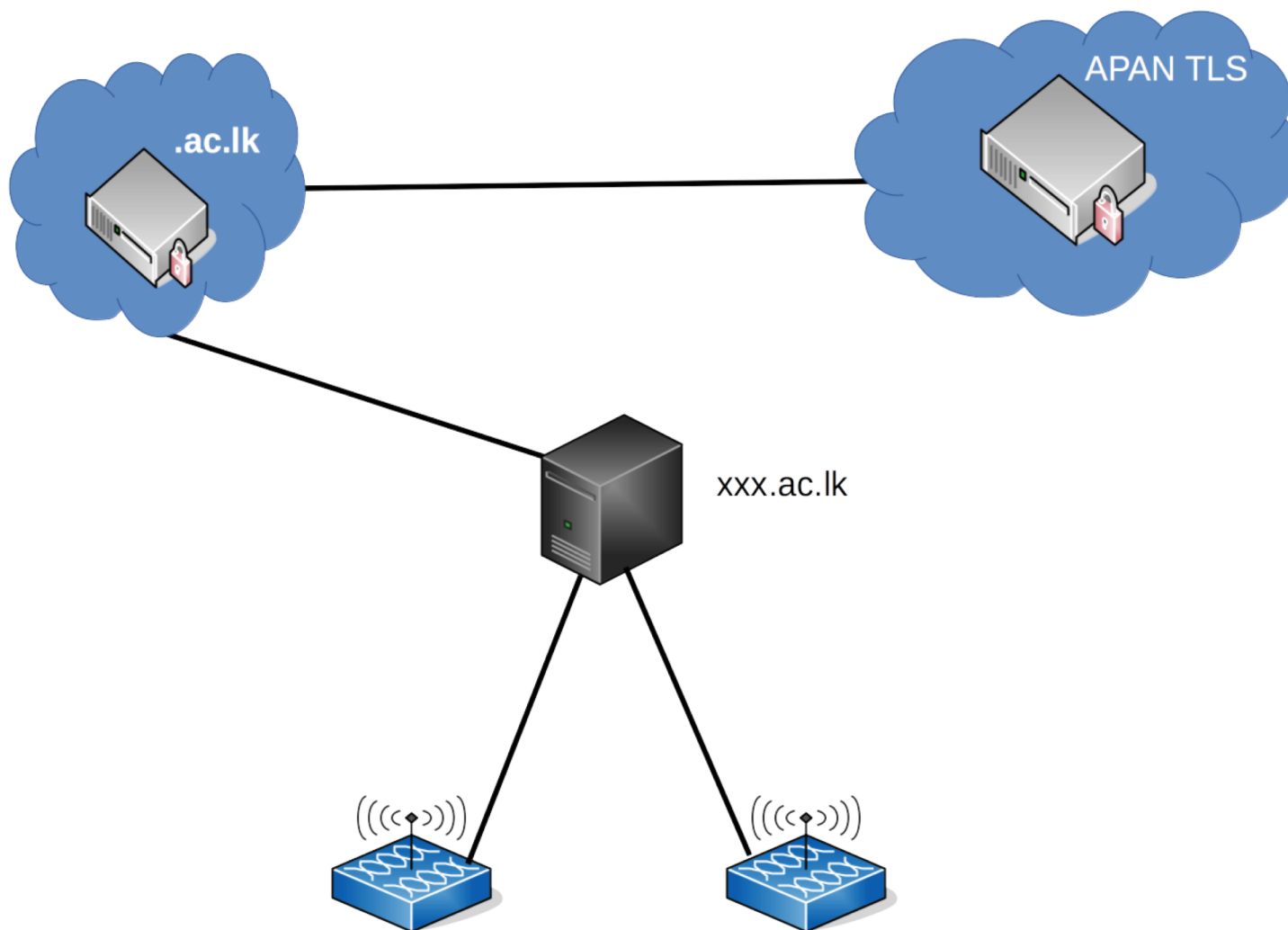
# Currently Connected Locations



Institute	Location
University of Kelaniya	Kelaniya
Open University of Sri Lanka	Nawala
University of Peradeniya	Peradeniya
University of Colombo School of Computing	Colombo 07
University of Moratuwa	Katubadda, Moratuwa
Faculty of Engineering, University of Ruhuna	Hapugalla, Galle
Informatics Institute of Technology *	Colombo 07
University of Visual & Performing Arts	Colombo 07
Sabaragamuwa University of Sri Lanka	Belihuloya

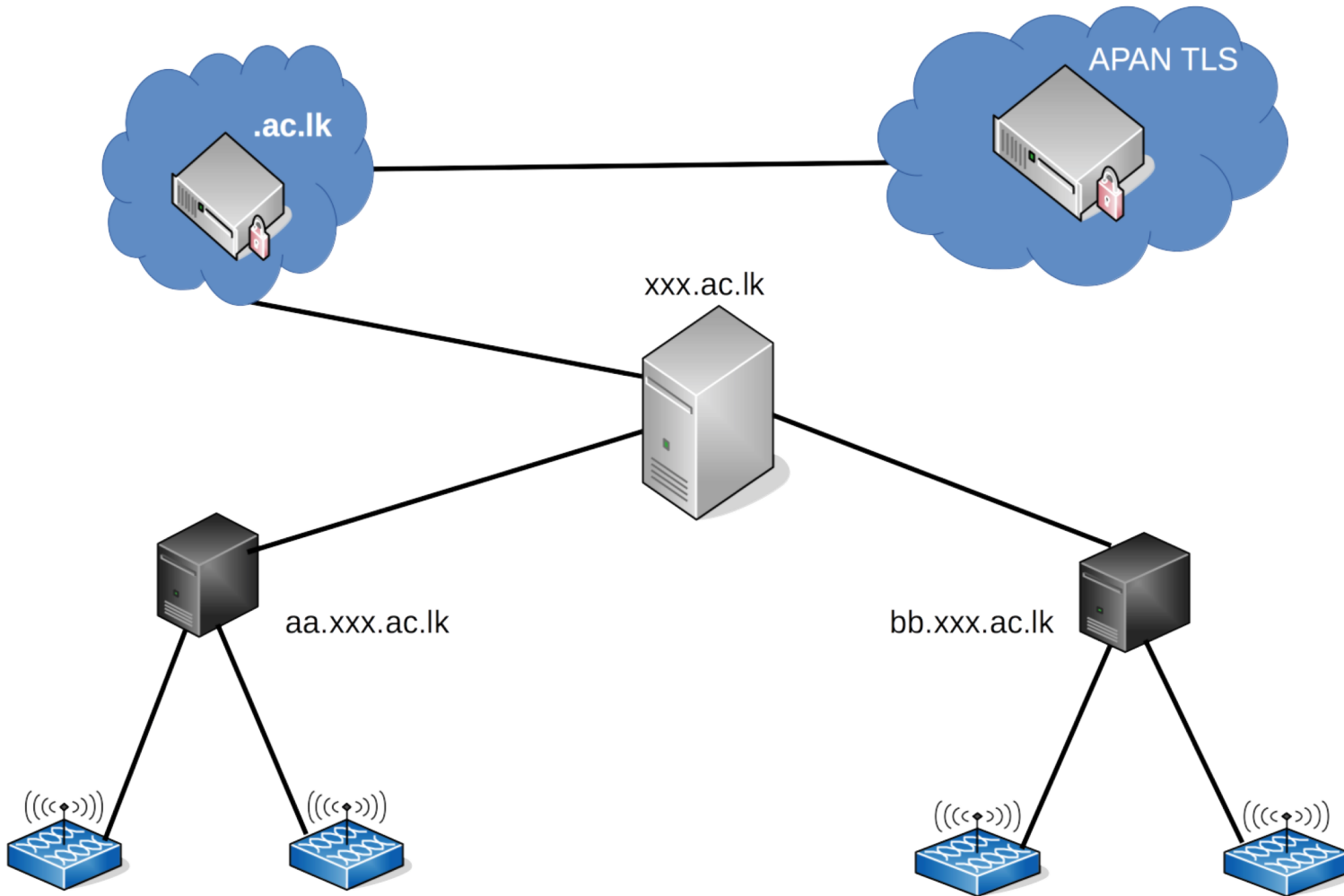
# Main Connectivity Topology for IRS's

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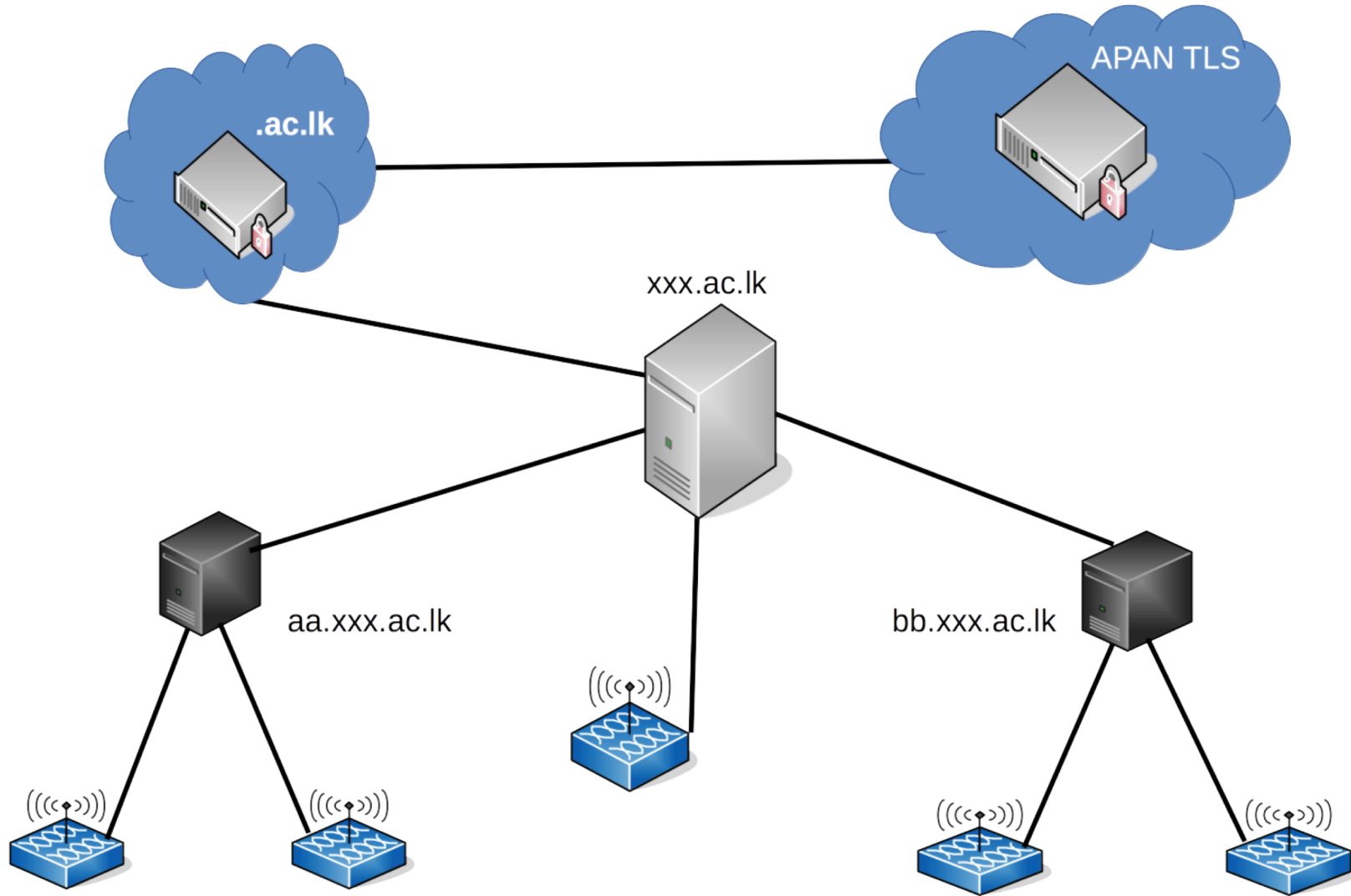
# Connectivity Topologies cont...

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# Connectivity Topologies cont...

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# TEIN supports under XEAP

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- Funding for two Engineers to participate in eduroam workshop held in Manila, Philippines in conjunction with APAN41
- Two Hardware Servers for NRO
- Three Hardware Servers for institutional IRS
- Wireless access points (10)
- Support for the Resource Person (Paul Hii) to visit LK for the workshop.



# Challenges

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- Lack of awareness of the “Non-Technical” Managements
- Lack of awareness of Academics/ Researches
- Lack of roaming Academics/ Researches
- Financial issues for smaller institutes deploying wireless networks
- Lack of Campus Identity systems in some institutes

# How Challenges are met

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- Workshops for technical persons
- Assistance through LEARN TAC
- Appreciation of Engineers
- Updating non-tech Managements



# Future Plans

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- Increase the number of eduroam IRS's
- Awareness programs for Academics, Students, Researchers etc.
- Awareness poster campaign
- extend eduroam coverage to selected public places
- Integrate Federated Identity in to LEARN {big things to do within this year}
- Connecting with eduGAIN

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Thank You

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